

Please replace the paragraph starting on page 4, line 23, with the following paragraph.

A5
In one embodiment of the invention shown by Figure 1, it is possible to deploy a Scalable Infrastructure (SI) fully distributed application system. The SI system uses a combination of a persistent store and agents to provide a communication system extensible to nearly all types of interfaces and any number of users and applications. The SI system defines Communities around the persistent store, or space, with space or non-space oriented interpreters, referred to here as Double Agents. Double Agents will be discussed in more detail further.

Please replace the paragraph starting on page 13, line 20, with the following paragraph.

A6
Having discussed all of the possible components of a scalable infrastructure system, it is now useful to discuss an implementation used to replace a private branch exchange (PBX) within a phone system using one embodiment of an SI system. The system was initially implemented using one JavaSpace™, to connect to SIP phones.

In the Abstract

Please replace the Abstract, page 23, with the following:

**FULLY DISTRIBUTED, SCALABLE INFRASTRUCTURE,
COMMUNICATION SYSTEM**

ABSTRACT

A7
A fully distributed, scalable infrastructure, communication system. The system comprises at least one Space, at least one double agent and at least one non-space specific double agent. Devices and applications that wish to communicate with other members of the Community or outside of the Community insert objects into the Space. The Space then publishes the presence of that object to subscribed members of the community. The double agents are capable of communicating with any desired protocols on one side and the Space protocol on the other. Non-space specific agents

A?
end

handle routing, administrative and other tasks, such as communication
between Spaces and Communities.
